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CLAIMS

1. A white biaxially oriented polyester film for use as a base film for receiving an ink jet printer image, which satisfies the following requirements (1) to (4):

- (1) the content of titanium oxide particles having an average particle diameter of 0.1 to 0.5 μm in the polyester film is 5 to 20 wt%;
- (2) the polyester film has an average glossiness of 65 to
 10 95 %;
 - (3) the polyester film has an X-ray diffraction intensity ratio (F-1/F-2) represented by the following formula (1):

$$0.05 \le F - 1/F/2 \le 0.15$$
 (1)

wherein (F-1) is an X-ray diffraction intensity on a plane $(1\overline{10})$ parallel to the surface of the film and (F-2) is an X-ray diffraction intensity on a plane (100) parallel to the surface of the film; and

- (4) the polyester film has a static friction coefficient of 0.3 to 0.6.
- A white biaxially oriented polyester laminate film for use as a base film for receiving an ink jet printer image wherein a coating film layer substantially made of the following components (A) to (C) is formed on at least one side of the white biaxially oriented polyester film of claim 1;
- (A) 50 to 80 wt% of a copolyester having a secondary transition point of 20 to 90°C;
- (B) 10 to 30 wt% of a water-soluble polymer compound; and(C) 3 to 25 wt% of fine particles having an average particle diameter of 20 to 80 nm.
 - 3. The film of claim 1 or 2, wherein the polyester film has a thickness of 50 to 250 $\mu m\,.$

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- 4. The film of claim 1 or 2, wherein the polyester film has a thermal shrinkage factor of 2 % or less when it is kept at 150°C for 30 minutes.
- 5. The film of claim 1 or 2, wherein the polyester film has such whiteness that lightness (L*) and chroma (C*) defined in CIE1976 satisfy the following expressions (1) to (3):

$$L* \ge 90 \tag{1}$$

$$C* \ge 3$$

$$2L* + C* \ge 190$$
 (3)

provided that $C^* = \{(a^*)^2 + (b^*)^2\}^{1/2}$.

- 6. The film of claim 1 or 2, wherein the polyester film 15 has an optical density of 0.7 to 1.6.
 - 7. The film of claim 1 or 2, wherein the polyester film has a center line average surface roughness (Ra) of 30 to 100 nm.
 - 8. The film of claim 1 or 2, wherein the polyester film has a molecular orientation rate (MOR) of 1.1 to 4.0.
- 9. The film of claim 1 or 2, wherein the polyester film contains inert particles having an average particle diameter of 0.01 to 5.0 µm other than titanium oxide particles in an amount of 0.01 to 5.0 wt%.
- 10. The film of claim 1 or 2, wherein the polyester film 30 is formed from polyethylene terephthalate.
 - 11. The film of claim 1 or 2, wherein the coating film layer has a thickness of 0.02 to 1 μm .

- 12. The laminate film of claim 2, wherein the coating film layer has a surface energy of 50 to 70 mN/m.
- 13. The laminate film of claim 2, wherein the coating film layer is substantially made of (A) 55 to 75 wt% of a copolyester having a secondary transition point of 20 to 90°C, (B) 12 to 25 wt% of a water-soluble polymer and (C) 5 to 20 wt% of fine particles having an average particle diameter of 20 to 80 nm.

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- 14. The laminate film of claim 2, wherein the copolyester (A) of the coating film layer contains a dicarboxylic acid(s) having a sulfonate group in an amount of 1 to 16 mol* based on the total of all the dicarboxylic acid components forming the copolyester.
- 15. The laminate film of claim 2, wherein the copolyester (A) of the coating film layer has a secondary transition point of 25 to 80°C.

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16. The laminate film of claim 2, wherein the water-soluble polymer compound (B) of the coating film layer is at least one selected from the group consisting of a polyvinyl alcohol, polyvinyl pyrrolidone and polyethylene glycol.

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- 17. The laminate film of claim 2, wherein the fine particles (C) of the coating film layer has an average particle diameter of 25 to 50 nm.
- 30 18. The laminate film of claim 2, wherein the coating film layer is formed by blending a polyfunctional epoxy compound into a composition substantially consisting of the components (A), (B) and (C).

A polyester laminate film for use as a base film for receiving an ink jet printer image which consists of a polyester film and a coating film layer formed on at least one side of the polyester film, wherein

the coating film layer is substantially made of (A) 50 to 80 wt% of a copolyester containing a dicarboxylic acid component having a sulfonate group in an amount of 1 to 16 mol% based on the total of all the dicarboxylic acid components forming the copolyester and having a secondary transition point of 20 to 90°C, (B) 10 to 30 wt% of a water-soluble polymer compound and (C) 3 to 25 wt% of fine particles having an average particle diameter of 20 to 80 nm and has a surface energy of 54 to 70 mN/m.

20. A polyester laminate film for use as a base film for receiving an ink jet printer image which consists of a polyester film and a coating film layer formed on at least one side of the polyester film, wherein

the coating film layer is substantially made of (A) 30 to 80 wt% of an aqueous binder, (B) 10 to 40 wt% of a water-soluble polymer, (C) 3 to 25 wt% of fine particles having an average particle diameter of 20 to 80 nm, and (D) 5 to 20 wt% of a polyfunctional epoxy compound crosslinking agent as the main ingredients and has a surface energy of 50 to 70 mN/m.

21. The laminate film of claim 20, wherein the polyfunctional epoxy compound crosslinking agent is represented by the following formula:

$$\begin{array}{c} \operatorname{CH_2-CH-CH_2} & \operatorname{CH_2-CH-CH_2} \\ \operatorname{N-R-N} & \operatorname{CH_2-CH-CH_2} \\ \end{array}$$

$$\operatorname{CH_2-CH-CH_2} & \operatorname{CH_2-CH-CH_2} \end{array}$$

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wherein R is $-CH_2$ $-CH_2$ $-CH_2$ or $-CH_2$.

A white polyester laminate film for use as a base film for receiving an ink jet printer image which consists of a polyester film and a coating film layer formed from (A) a copolyester, (B) polyalkylene oxide and (C) fine particles as the main ingredients on at least one side of the polyester film, wherein

the polyester film contains 5 to 20 wt% of titanium oxide having an average particle diameter of 0.1 to 0.2 μ m and 0.01 to 5.0 wt% of inert fine particles having an average particle diameter of 0.01 to 5.0 μ m other than titanium oxide and has an average glossiness of 80.5 to 95 % and a static friction coefficient of 0.30 to 0.50.

23. A white polyester laminate film for use as a base film for receiving an ink jet printer image which consists of a polyester film and a coating film layer formed from (A) a copolyester, (B) polyalkylene oxide and (C) fine particles as the main ingredients on at least one side of the polyester film, wherein

the polyester film contains 5 to 20 wt% of titanium oxide having an average particle diameter of 0.1 to 0.2 μ m and 0.01 to 5.0 wt% of inert fine particles having an average particle diameter of 0.01 to 5.0 μ m other than titanium oxide and has an average glossiness of 65 to 80 % and an X-ray diffraction intensity ratio (F-1/F-2) which satisfies the following expression (1):

$$0.05 \le (F-1/F-2) \le 0.15$$
 (1)

wherein (F-1) is an X-ray diffraction intensity on a plane $(1\overline{10})$ parallel to the surface of the film and (F-2) is an X-ray diffraction intensity on a plane (100) parallel to the

surface of the film.

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- 24. A base film for receiving an ink jet printer image having an ink image receiving layer on the surface of the coating film layer of the laminate film of claim 2.
 - 25. Use of the laminate film of claim 1 as a base film for receiving an ink jet printer image.
- 10 26. Use of the laminate film of claim 2 as a base film for receiving an ink jet printer image.